



App'n No.: 10/027,219
 Applicant(s): Marc Vidal et al.
 REVERSE TWO-HYBRID SYSTEMS

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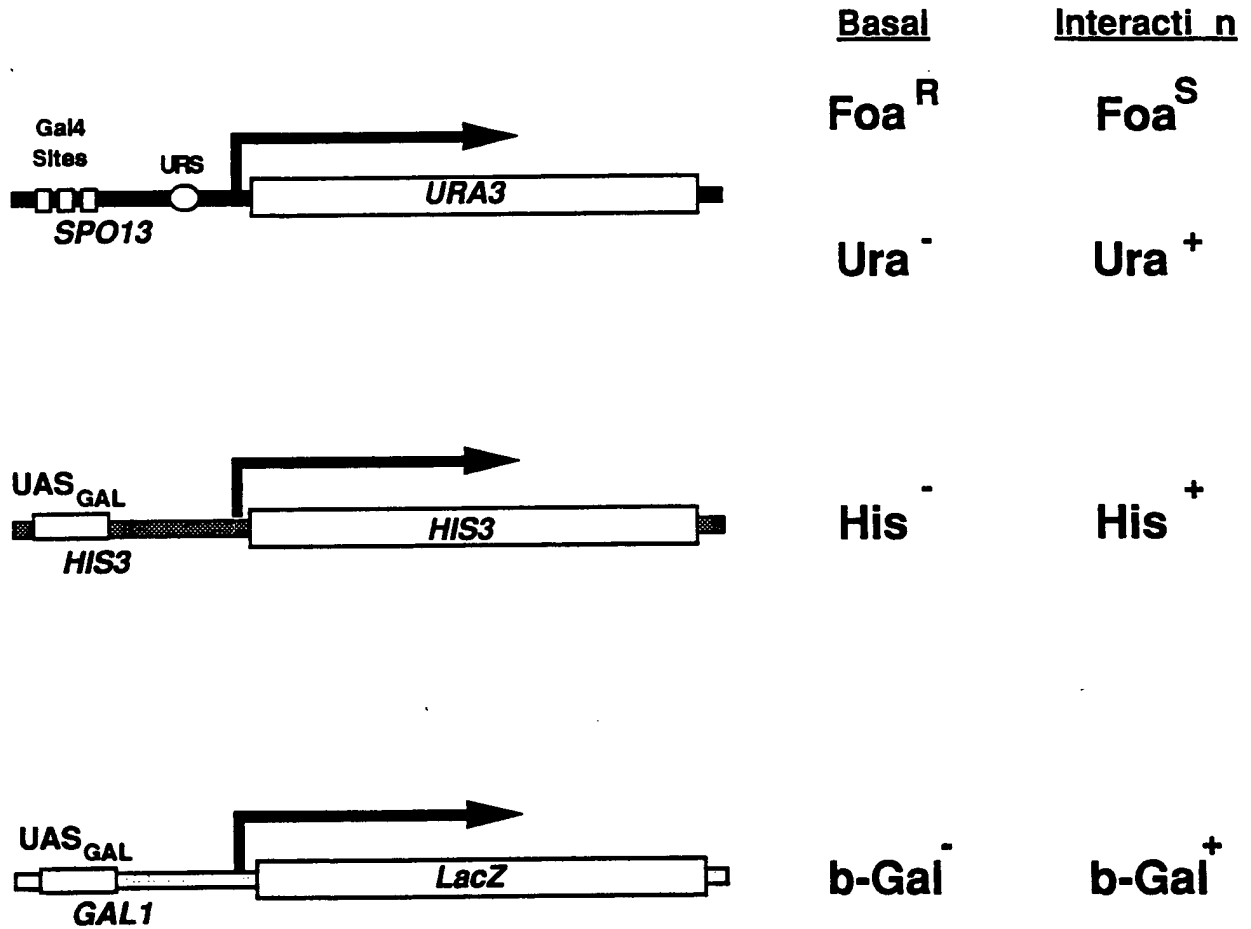


FIG. 1



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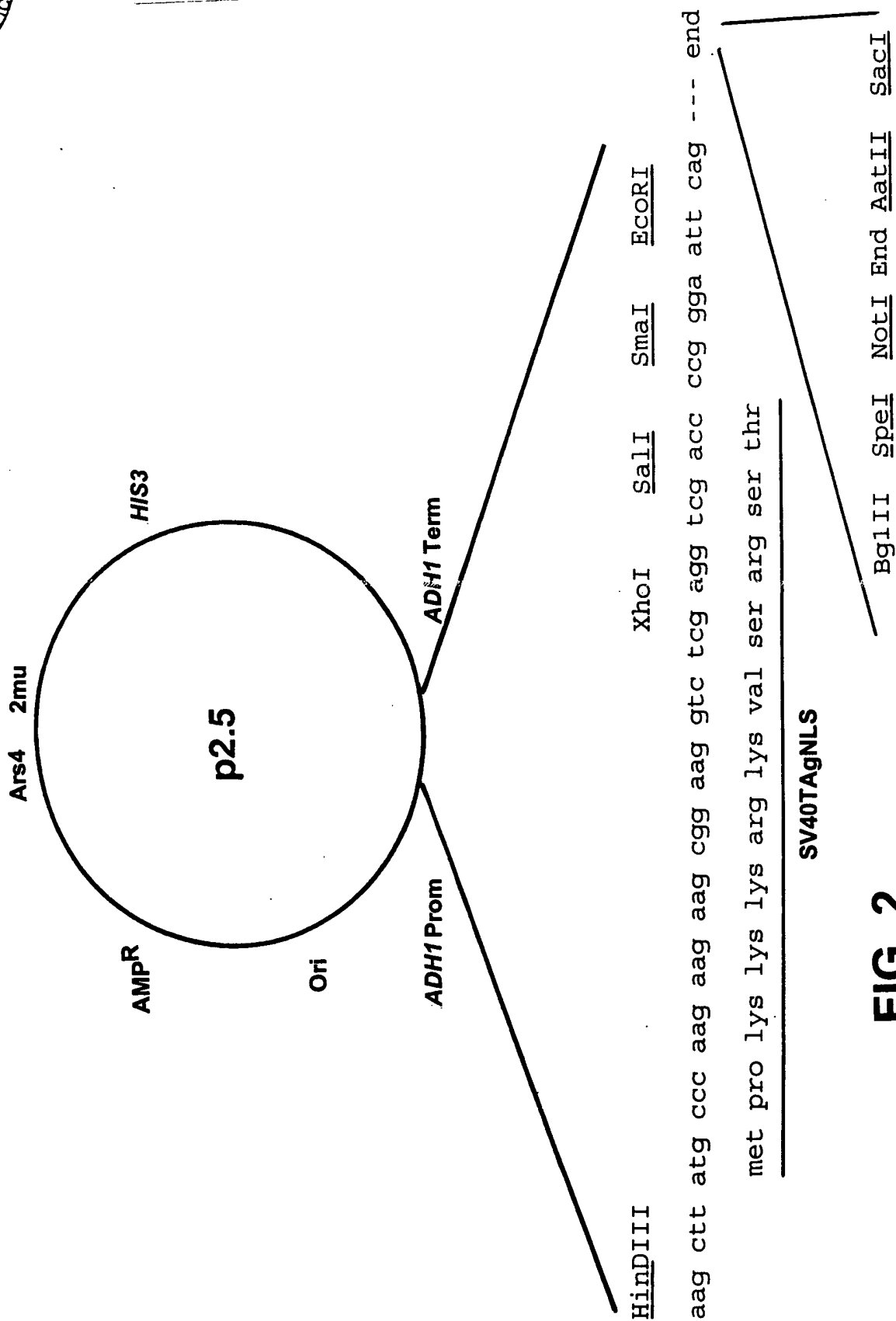


FIG. 2

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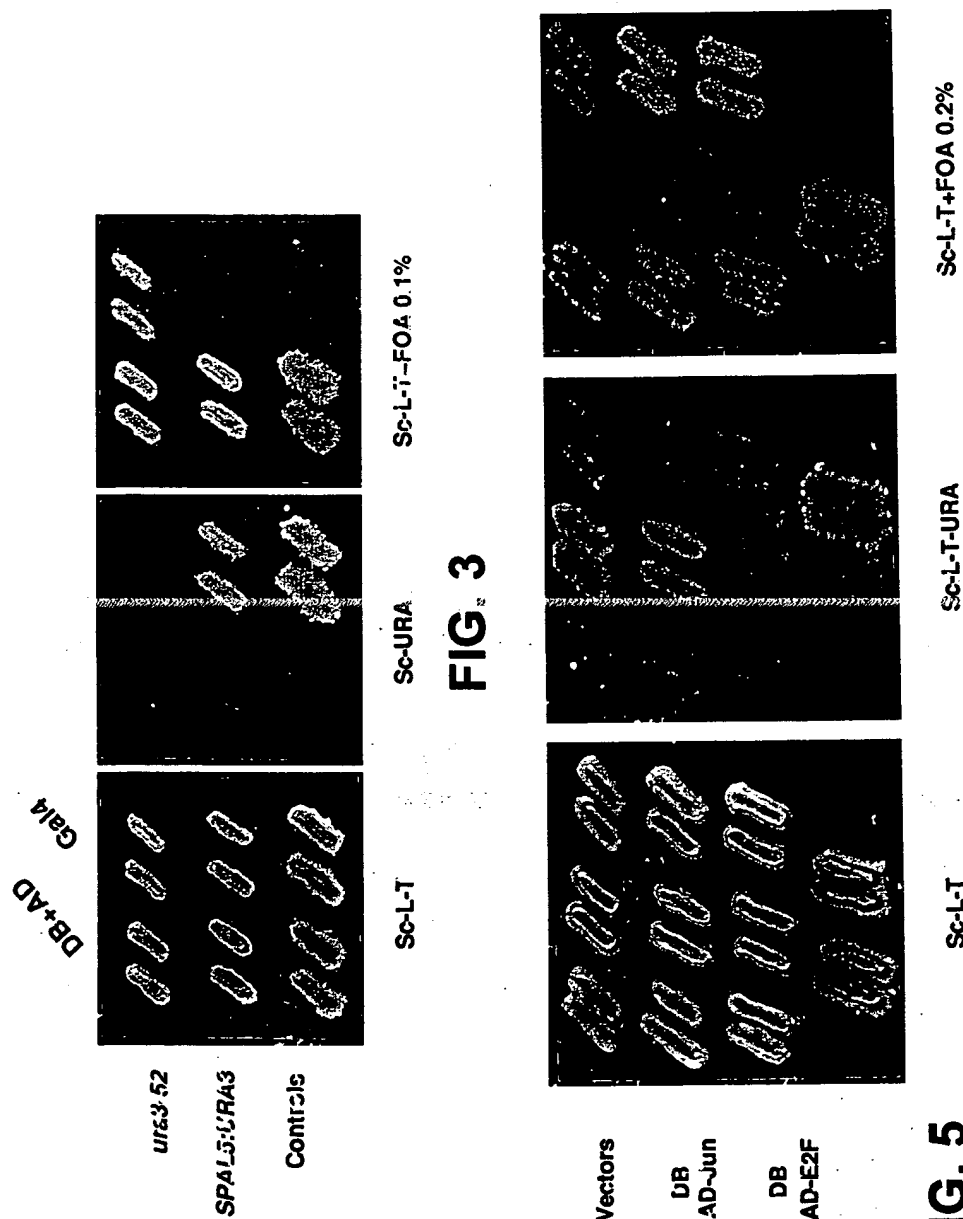


Fig. 5

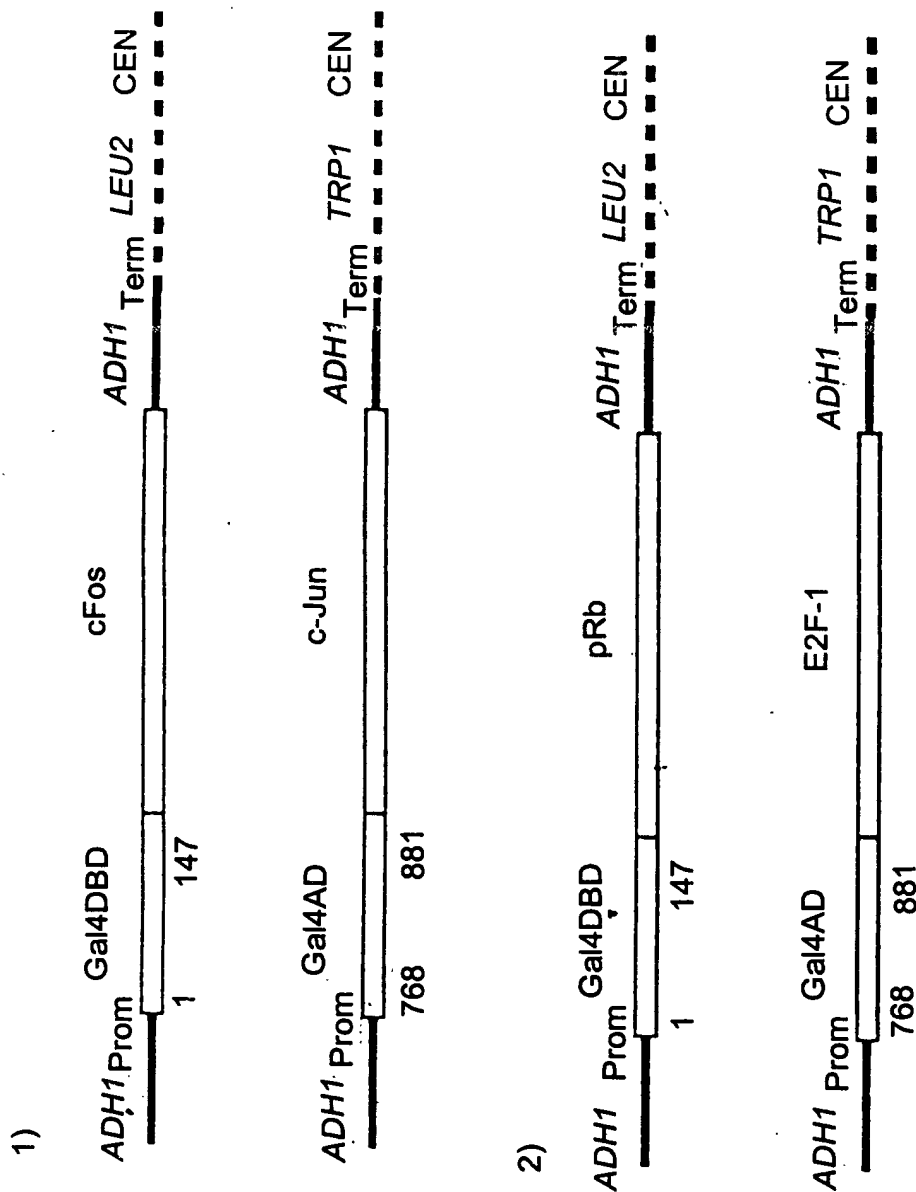
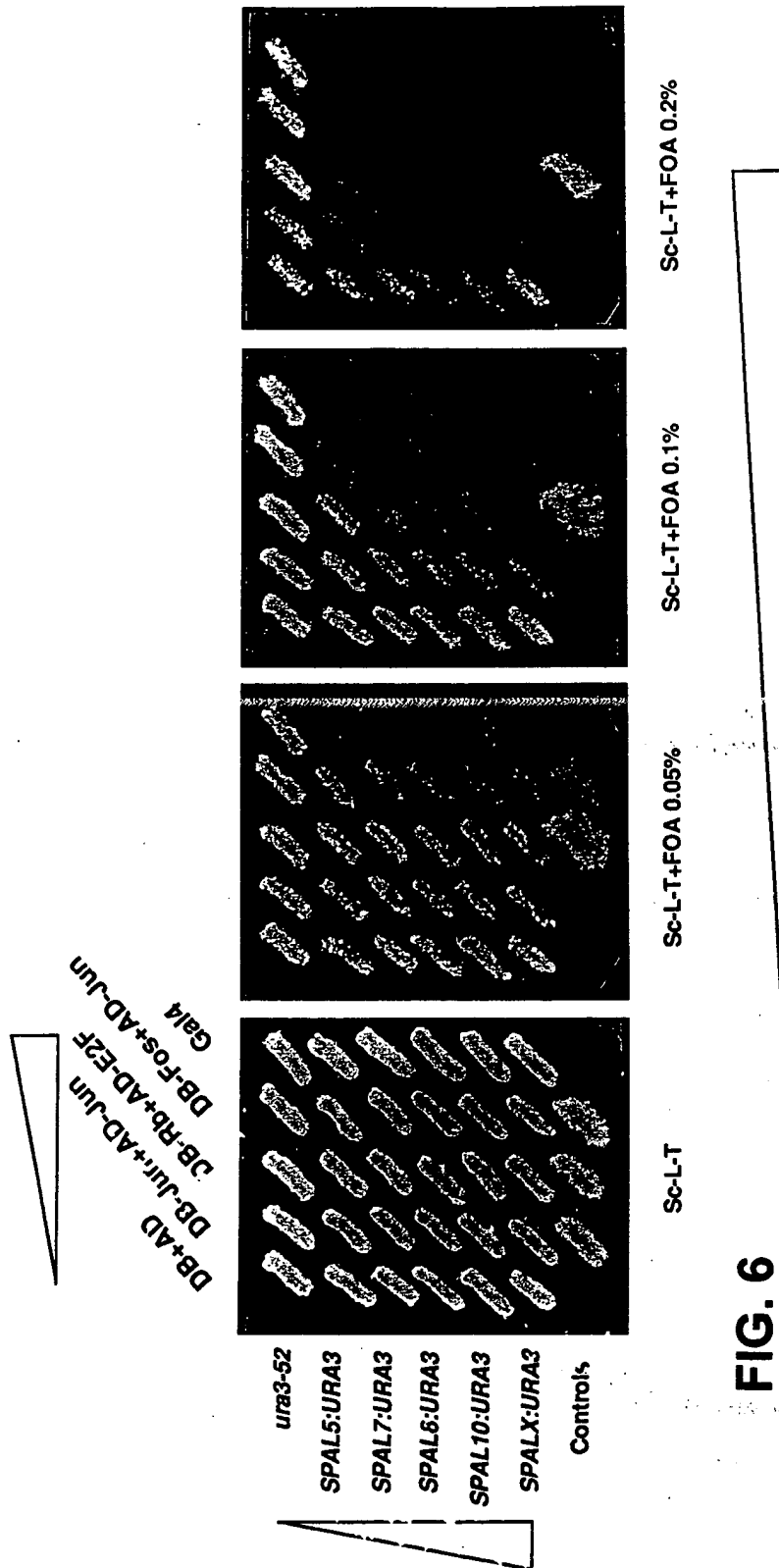


FIG. 4



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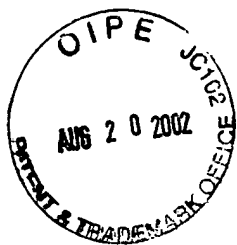


FIG. 7

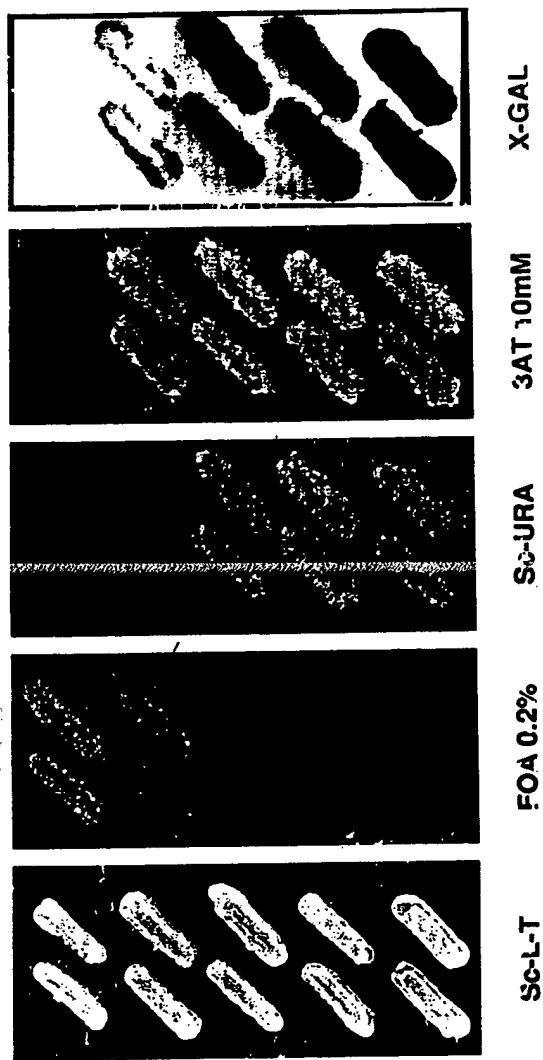
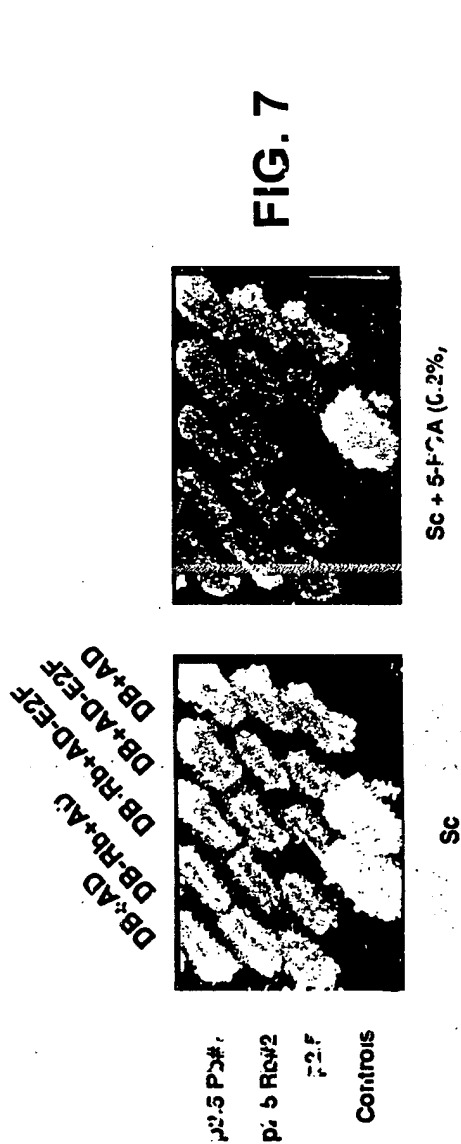


FIG. 8

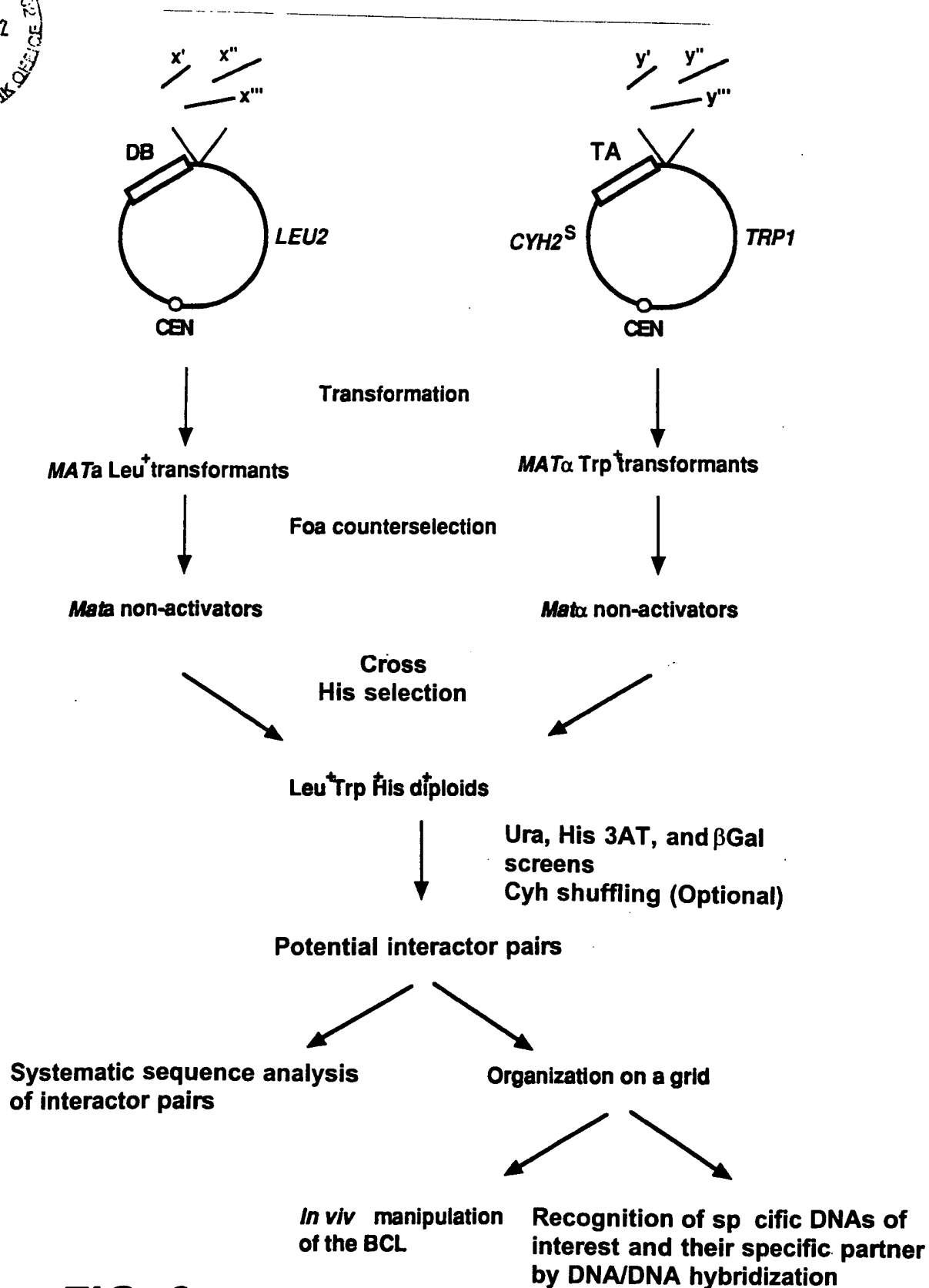


FIG. 9

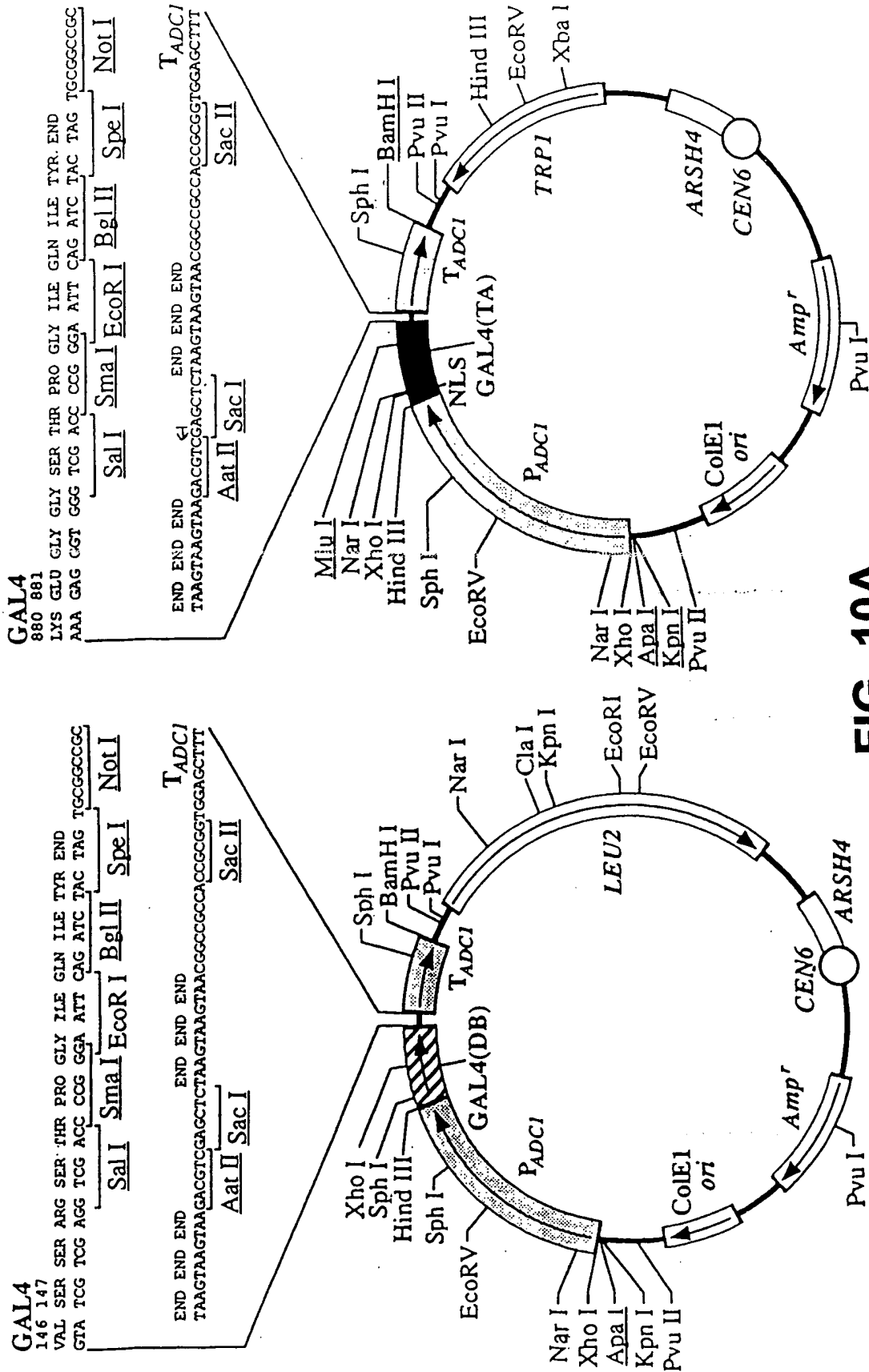


FIG. 10A

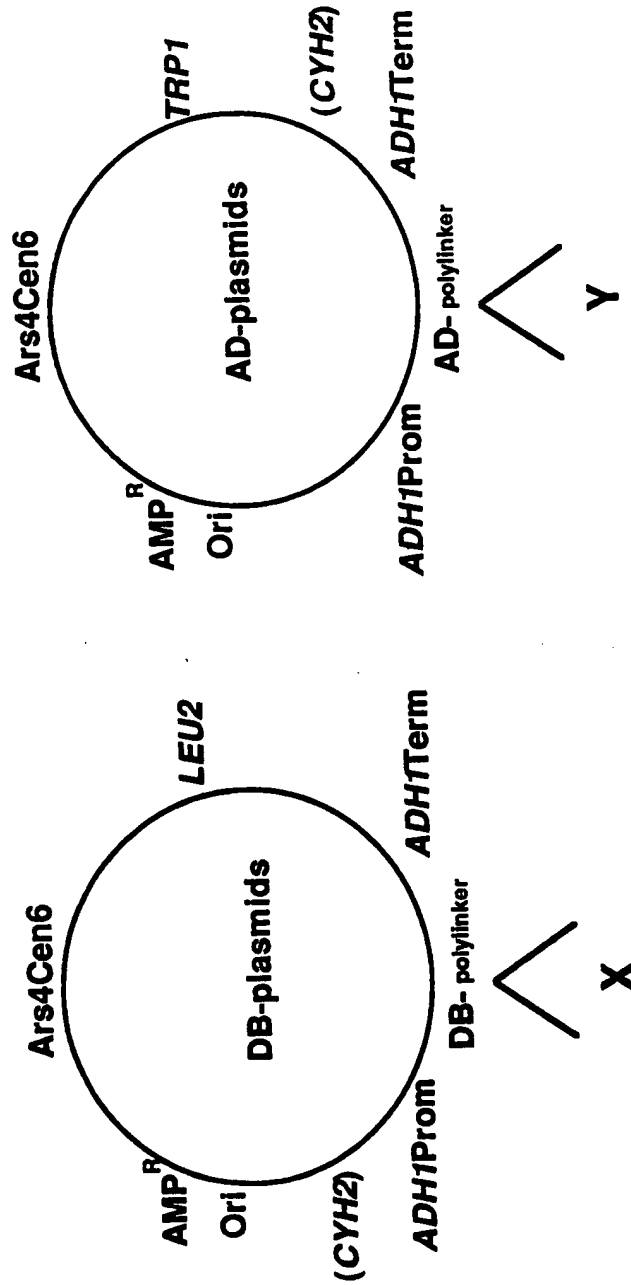


FIG. 10B



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DB-X	Total	His+	Retested	Known Interacting	"Novel" Interacting	False positive
None	1x10 ⁶	1	0			
p130	5x10 ⁵	19	9	0	5 → 2	
DP1	2x10 ⁵	7	7	6 → 2	1 → 1	
pRb	1x10 ⁶	20	0			
p35	1x10 ⁶	20	8	0	8 → 2	0
CDK3	1x10 ⁶	38	16			
CDK3	1x10 ⁶	38	16			
DCC1	3x10 ⁶	81	23	0		
Z bu	1x10 ⁶	81	23			

FIG. 11



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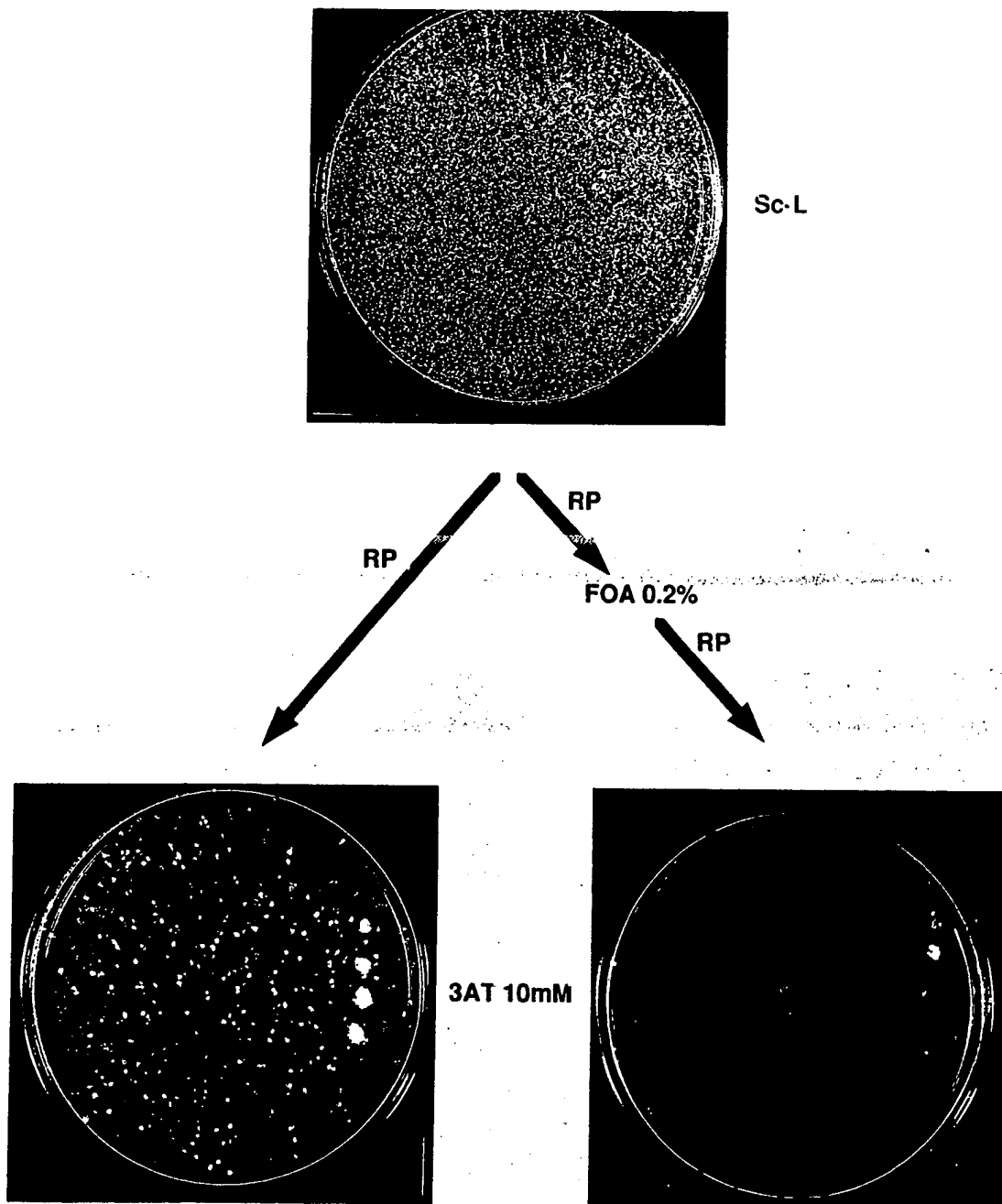


FIG. 12

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DB-X	AD-Y	AD-pRb	AD-107	AD-130	DP1	CDK2	Jun	None
None								
E2F1		2	1					
E2F2		1	1					
E2F3					2			
E2F4								
F s							24	
Jun								
CyclinA								
p21								
DCC1								39

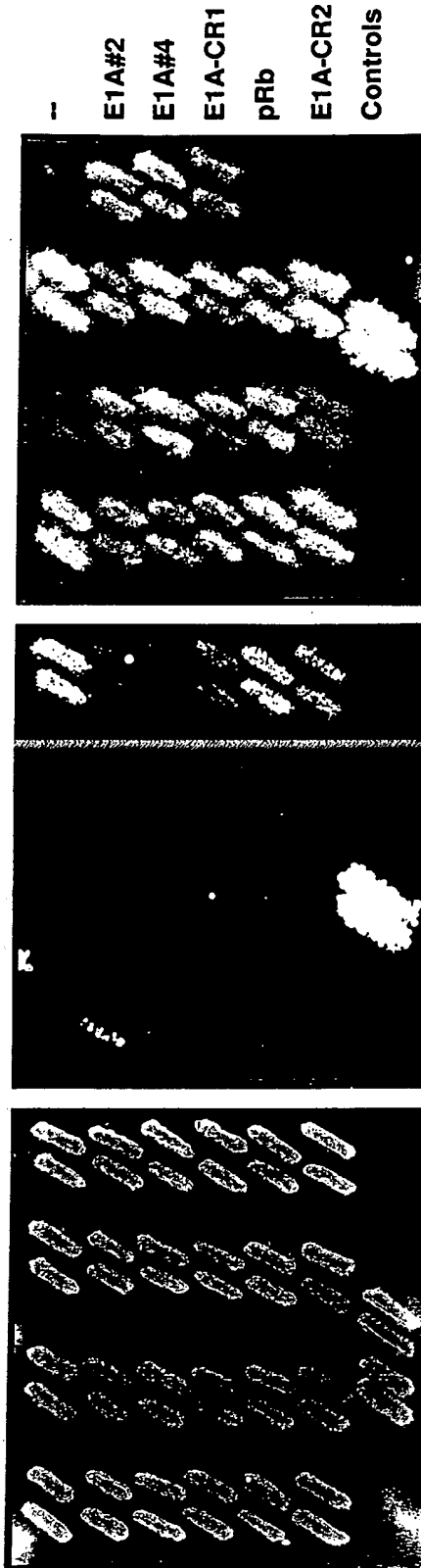
FIG. 13

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DB-p107 + AD-E2F-4
 DB-p107 + AD
 DB-Rb + AD-E2F-1
 DB-Rb + AD



Sc-L-T-H+FOA 0.2%

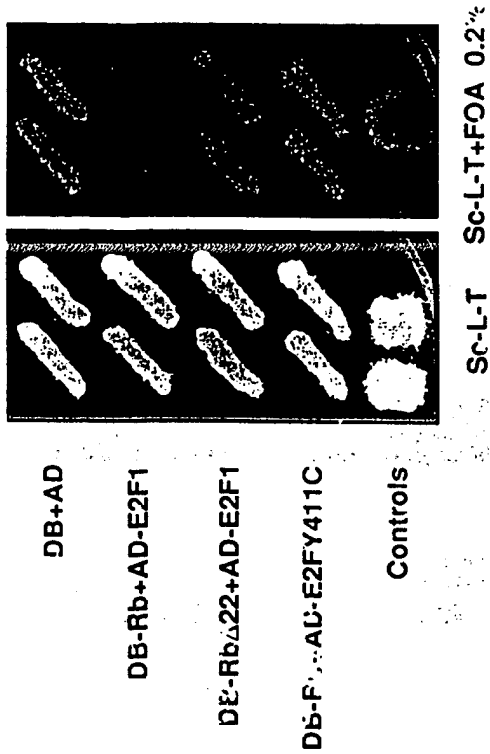
Sc-L-T-H-U

Sc-L-T-H

FIG. 14



FIG. 15



DB-DP1 +
AD-E2F1-20
AD-E2F1-30
AD-E2F1-34
AD-E2F1-32
AD-E2F1-34
AD-E2F1
Controls 1,2,3,4

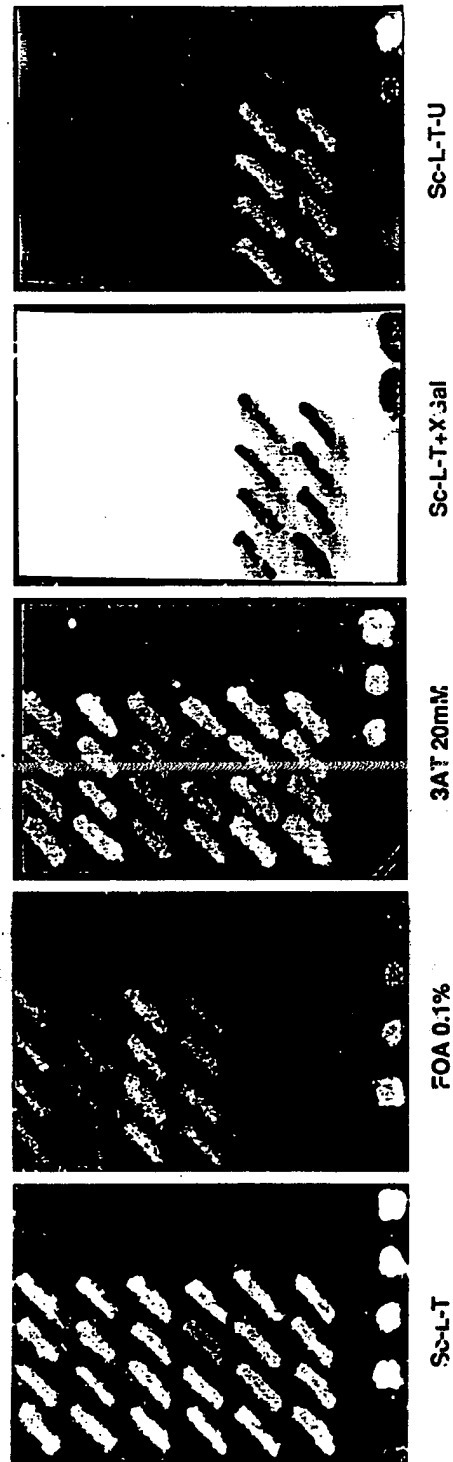


FIG. 20

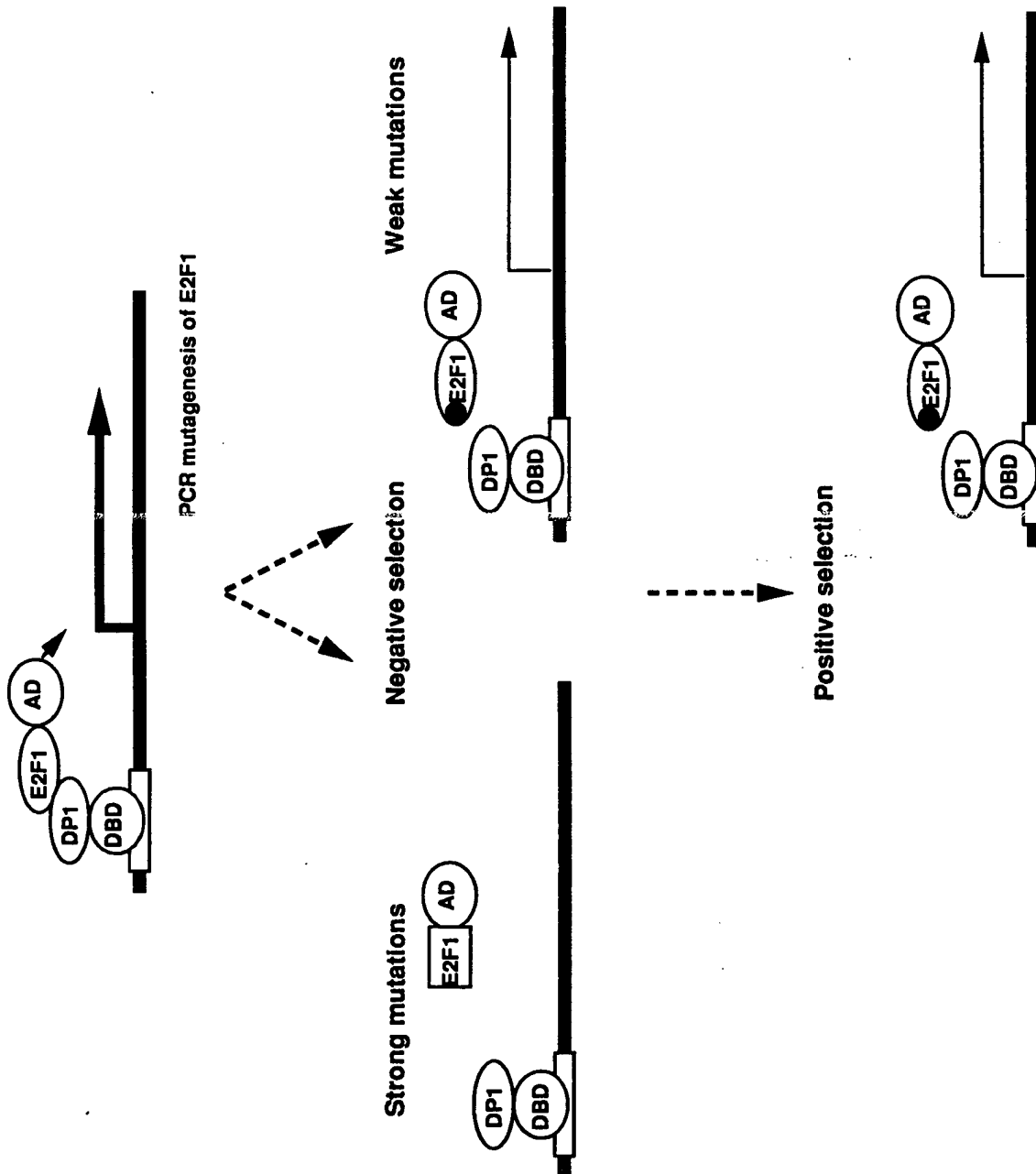
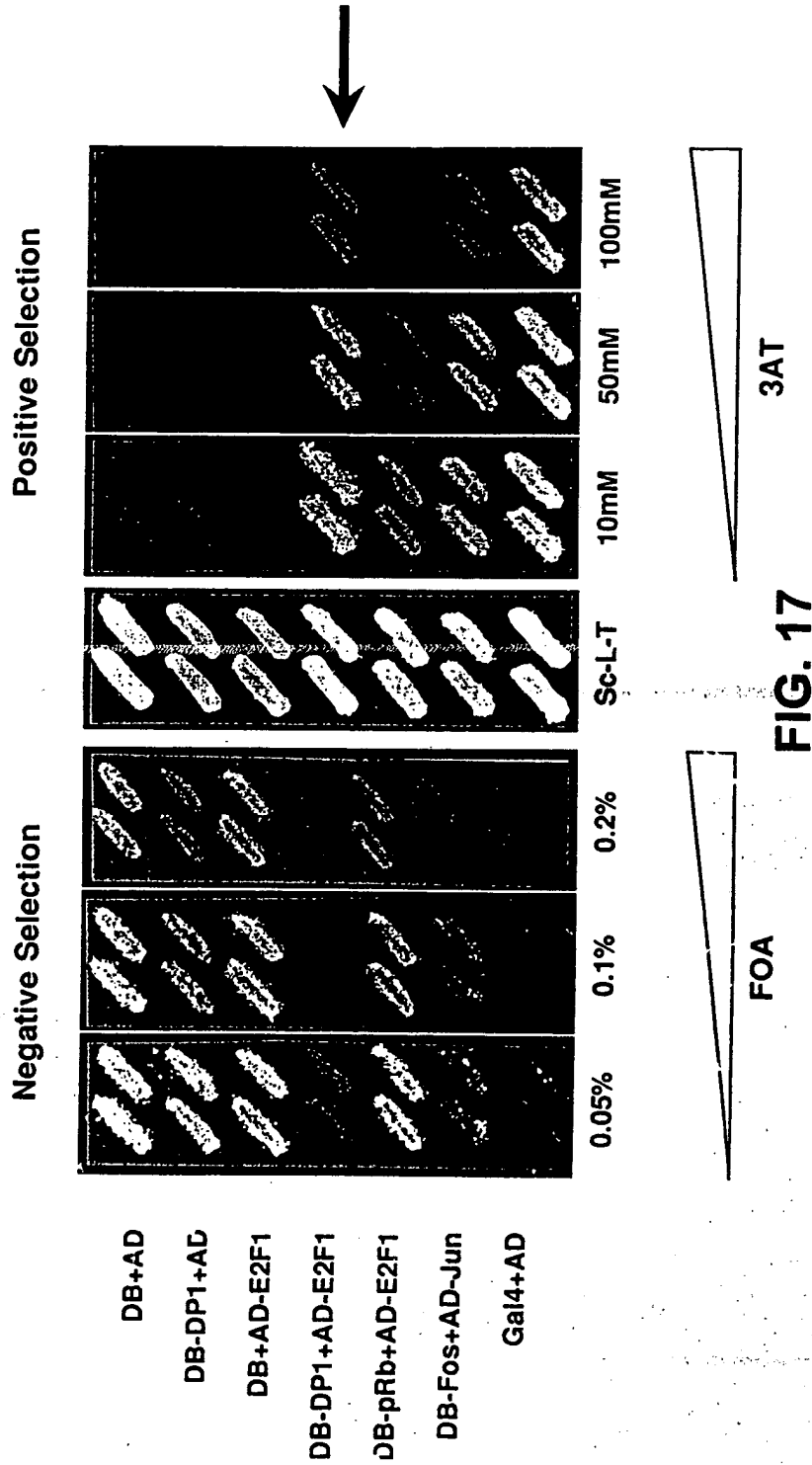


FIG. 16



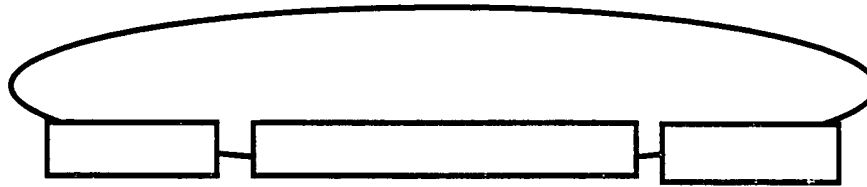
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PCR reaction



Gap repair

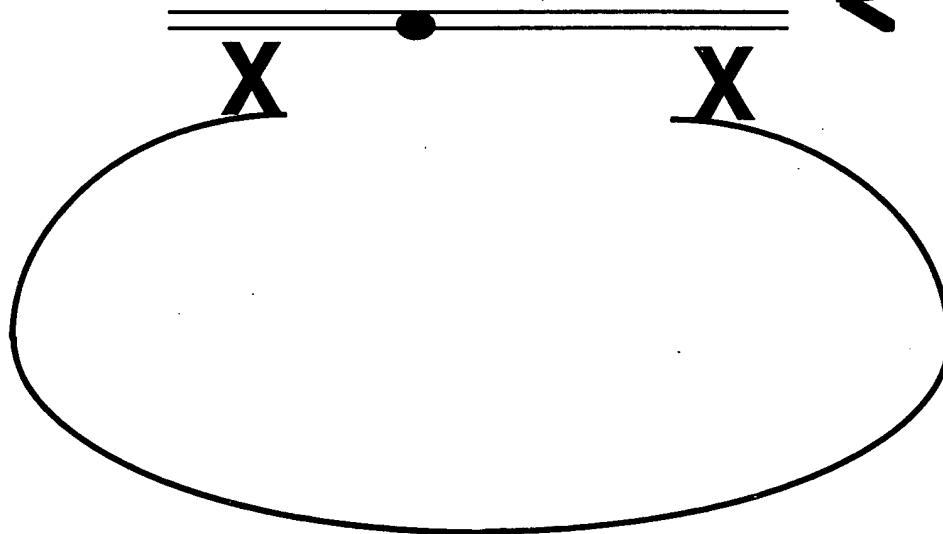
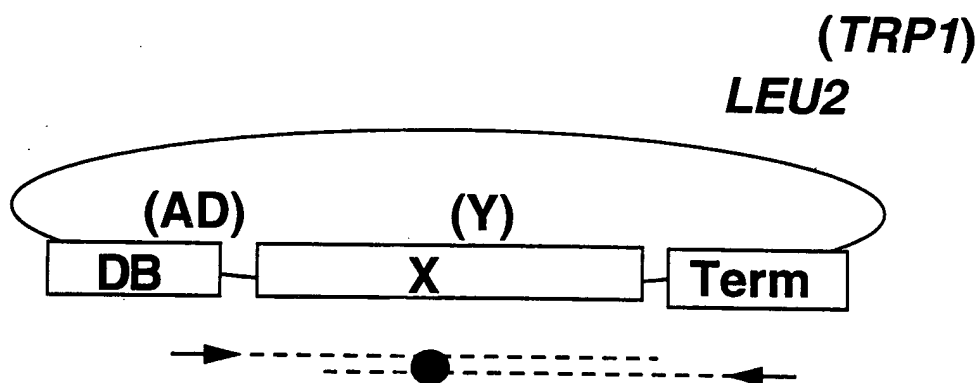


FIG. 18A



In vitro mutagenic PCR reaction



In vivo gap repair

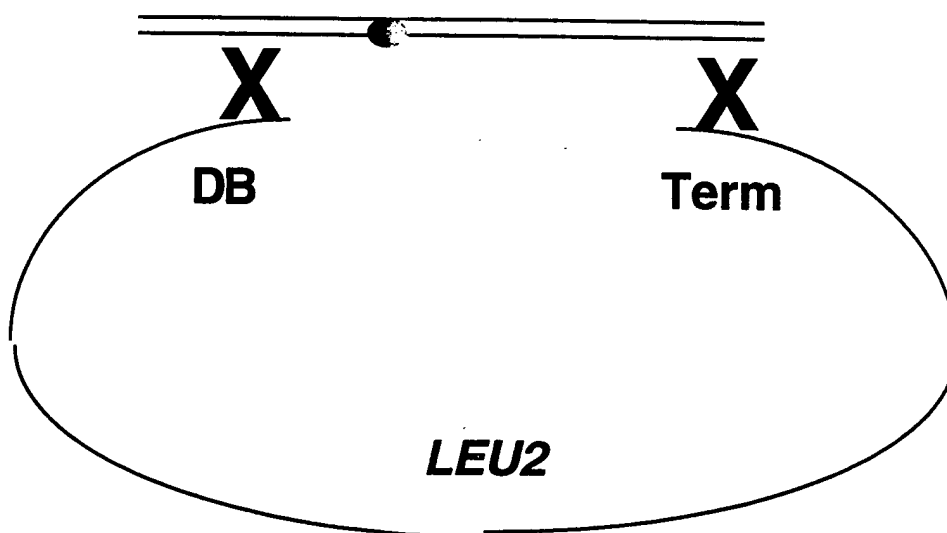


FIG. 18B

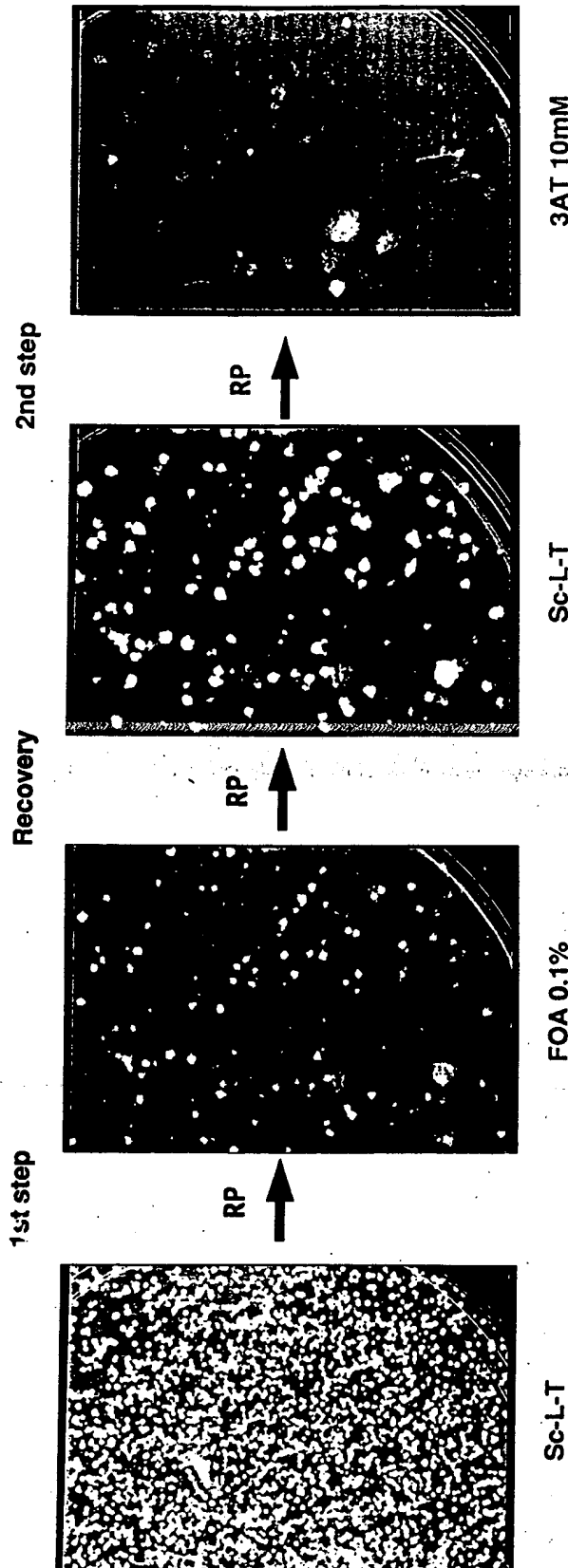


FIG. 19

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MARKED BOX 2

283	Q	I	N	L	K	S	S	H	S	G	P	I	H	V	L	L	L	I	N	K	301	E2F5
	Q	I	H	L	K	S	S	V	S	G	P	I	E	V	L	L	V	N	K		E2F4	
	Q	I	H	L	A	S	S	T	Q	G	P	I	E	V	Y	L	C	P	E		E2F3	
	Q	I	Y	L	K	S	S	T	Q	G	P	I	E	V	Y	L	C	P	E		E2F2	
	Q	I	S	L	K	S	S	K	Q	G	P	I	D	V	F	L	C	P	E		E2F1	
	T								P				G								E2F1-20	
	T																				E2F1-30	
																					E2F1-32	
																					E2F1-31	
	N																				E2F1-65	

FIG. 21

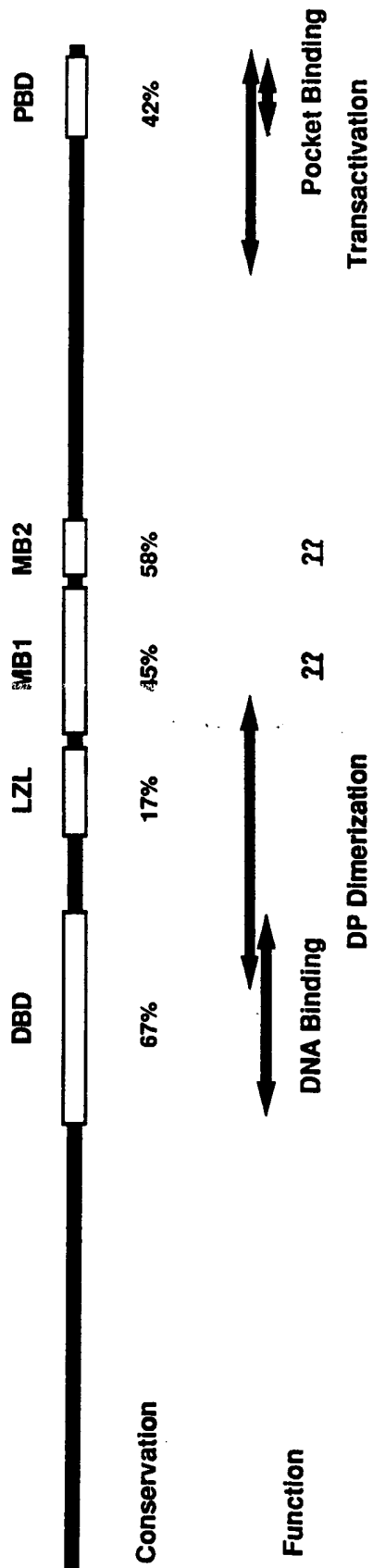
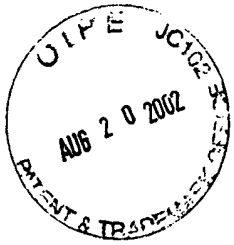
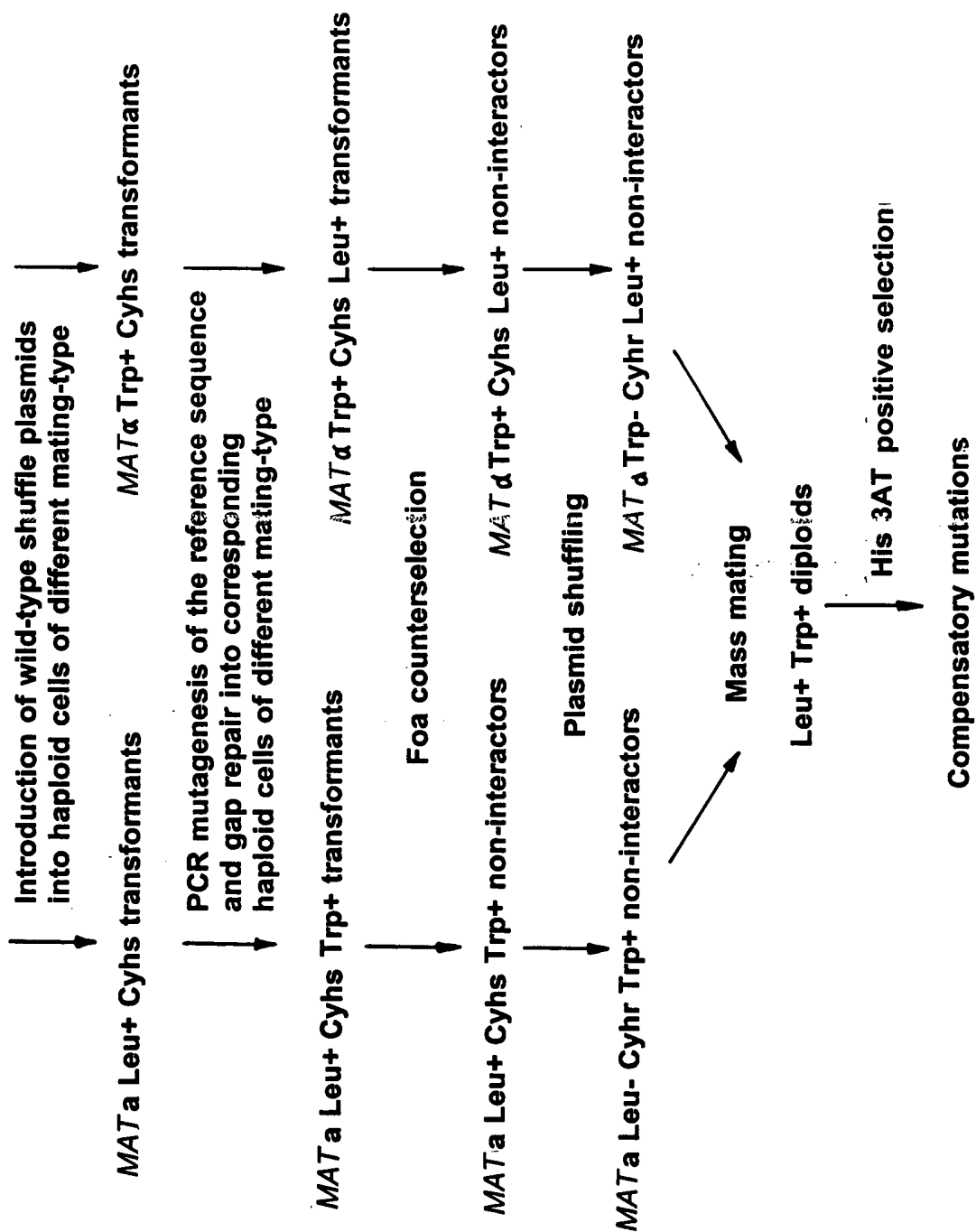


FIG. 22

**FIG. 23A**

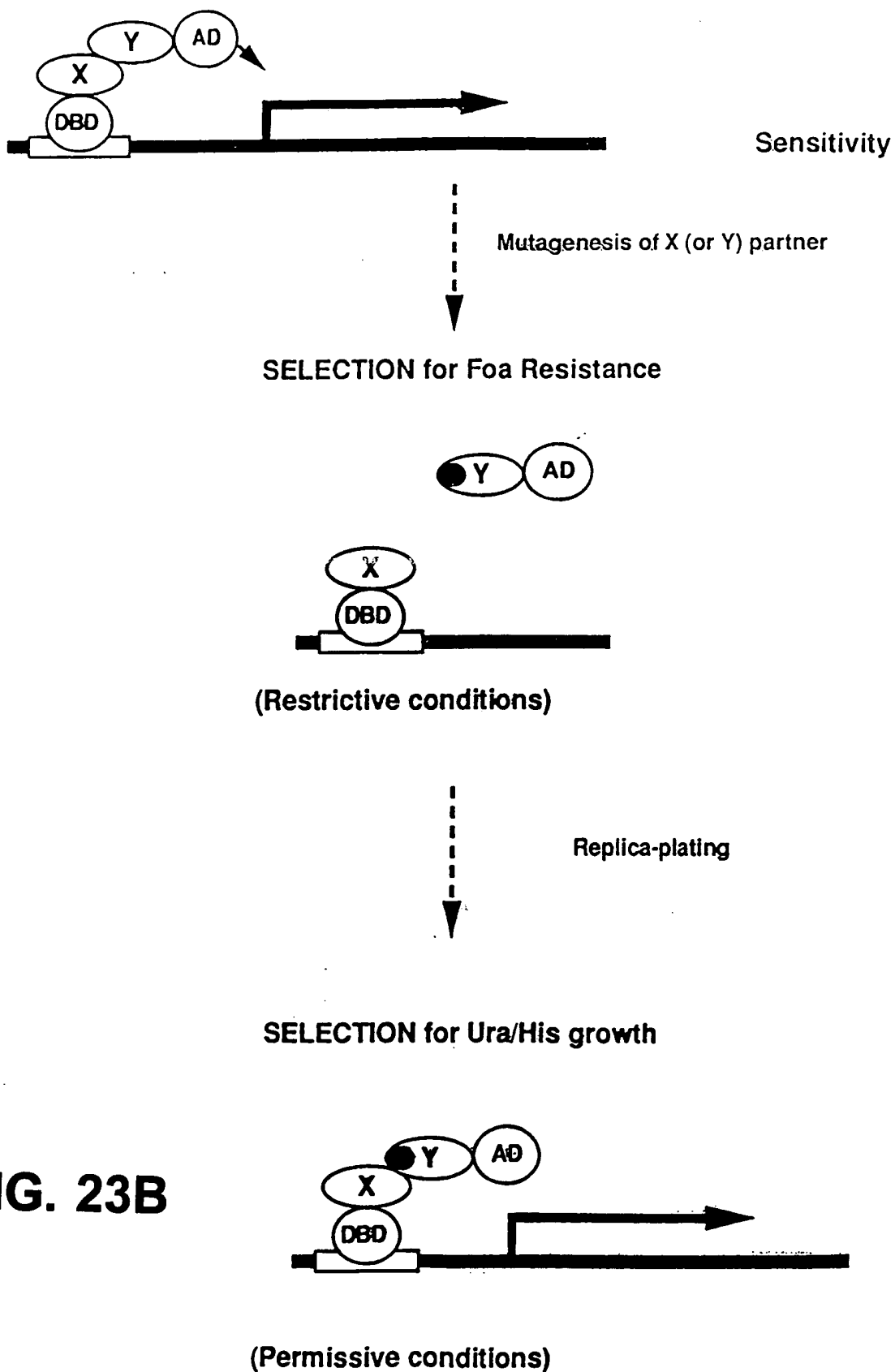


FIG. 23B

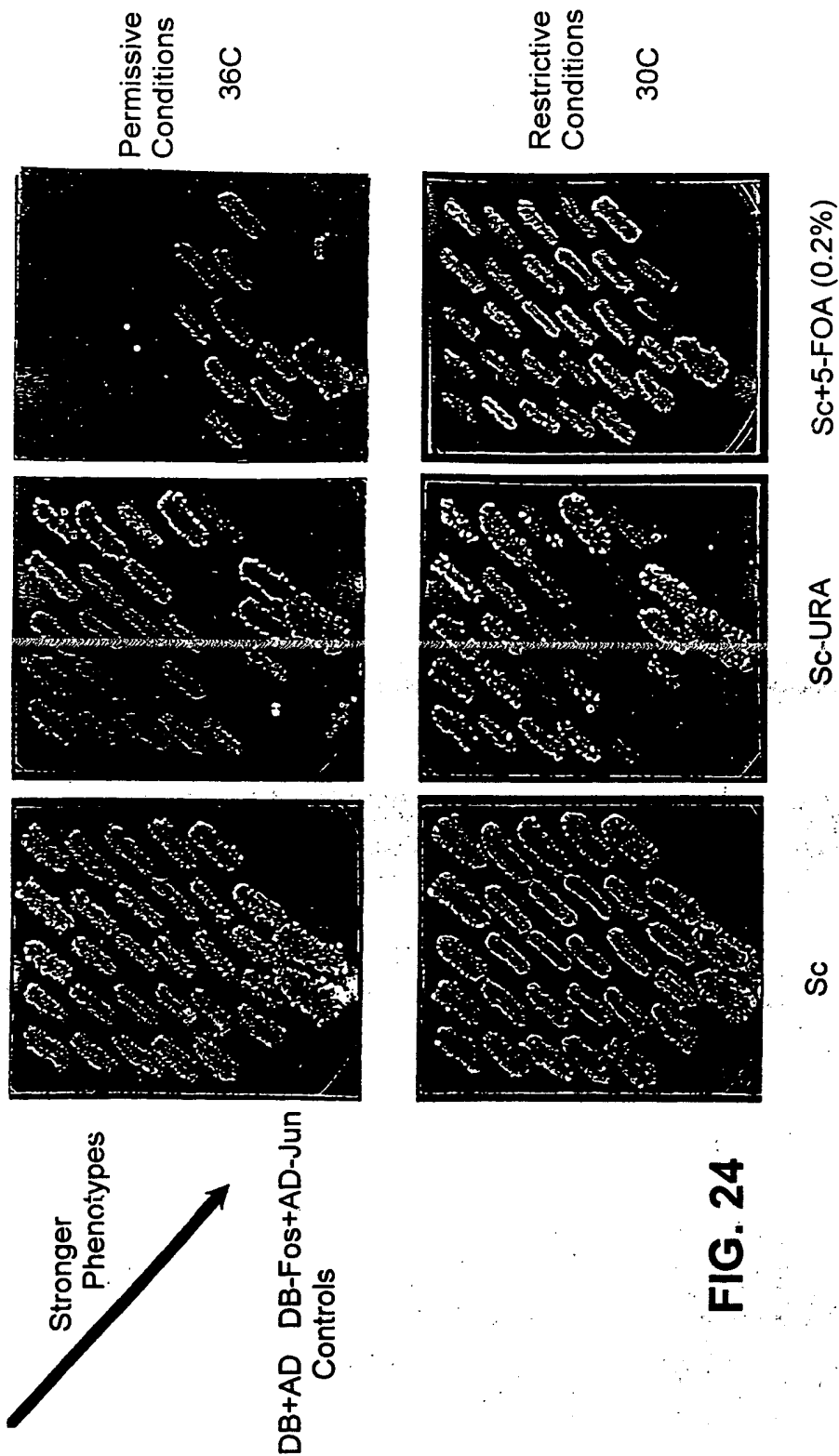
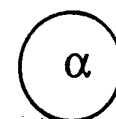
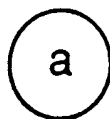
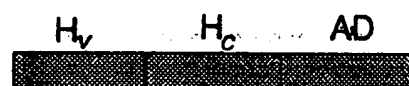


FIG. 24

CLONE AND EXPRESS
DB/Ag FUSIONIMMUNIZE
ANIMALPERIPHERAL
B CELLS

1. PCR Light and Heavy Chain
Variable regions
2. GAP REPAIR into
Ab Expression Vectors



MATE

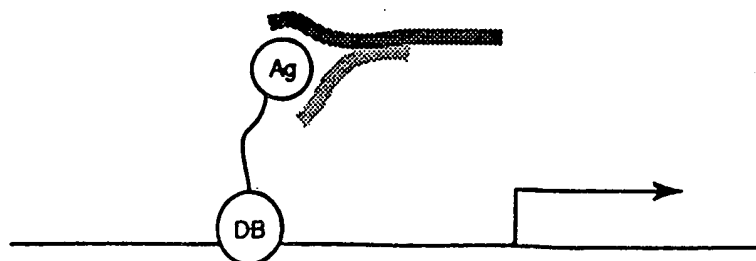


FIG. 25